

WHAT IS CLAIMED IS:

1. An active matrix substrate used for a liquid crystal display device of a transflective type that includes pixel electrodes each having a reflective electrode and a transparent electrode, wherein:

(i) a reflective electrode and (ii) an adjacent transparent electrode adjacent to said reflective electrode without being electrically connected are positioned in such a manner that (A) a border of a reflection region to which said reflective electrode applies a voltage and (B) a border of a transmission region to which said adjacent transparent electrode applies a voltage at least partly overlap or are closely located with each other, when viewed in a normal direction of a display surface of said active matrix substrate.

2. The active matrix substrate as set forth in claim 1, further comprising:

an insulating layer sandwiched between said reflective electrode and said transparent electrode, said transparent electrode being on an incident side of light from a light source and said reflective electrode being on a side of a surface facing a liquid crystal layer,

an edge portion of said reflective electrode partly superposing an edge portion of said adjacent transparent

electrode adjacent to said reflective electrode without being electrically connected, when viewed in the normal direction of the display surface of said active matrix substrate.

3. The active matrix substrate as set forth in claim 2, wherein:

the insulating layer has an opening at a portion corresponding to said transmission region.

4. The active matrix substrate as set forth in claim 1, further comprising:

a transparent insulating layer sandwiched between (A) both of said reflective electrode and said transparent electrode and (B) wiring and a switching element that apply a signal voltage to said electrodes; and

an inter-pixel region between said reflective electrode and said adjacent transparent electrode adjacent to said reflective electrode without being electrically connected, at least part of said inter-pixel region having a width of not more than 3 μm .

5. The active matrix substrate as set forth in claim 2, wherein:

said reflective electrode does not cover source wiring,

when viewed in the normal direction of the display surface of said active matrix substrate.

6. The active matrix substrate as set forth in claim 4, wherein:

said reflective electrode does not cover source wiring, when viewed in the normal direction of the display surface of said active matrix substrate.

7. The active matrix substrate as set forth in claim 2, wherein:

said reflective electrode covers at least part of gate wiring, when viewed in the normal direction of the display surface of said active matrix substrate, and

said reflective electrode covers gate wiring different from gate wiring that drives a pixel of said reflective electrode.

8. The active matrix substrate as set forth in claim 4, wherein:

said reflective electrode covers at least part of gate wiring, when viewed in the normal direction of the display surface of said active matrix substrate, and

said reflective electrode covers gate wiring different from gate wiring that drives a pixel of said reflective

electrode.

9. The active matrix substrate as set forth in claim 2, used for a liquid crystal display device of the normally white mode, further comprising:

a light-shielding layer located corresponding to a blank region that is neither said reflection region nor said transmission region.

10. The active matrix substrate as set forth in claim 4, used for a liquid crystal display device of the normally white mode, further comprising:

a light-shielding layer located corresponding to a blank region that is neither said reflection region nor said transmission region.

11. A liquid crystal display panel of a transfective type that includes pixel electrodes each having a reflective electrode and a transparent electrode, further comprising:

a counter substrate;

an active matrix substrate, in which (i) a reflective electrode and (ii) an adjacent transparent electrode adjacent to said reflective electrode without being electrically connected are positioned in such a manner that (A) a border of a reflection region to which said

reflective electrode applies a voltage and (B) a border of a transmission region to which said adjacent transparent electrode applies a voltage at least partly overlap or are closely located with each other, when viewed in a normal direction of a display surface of said active matrix substrate; and

a liquid crystal layer, sandwiched between said counter substrate and said active matrix substrate.

12. A liquid crystal display device of a transflective type that includes pixel electrodes each having a reflective electrode and a transparent electrode, further comprising a liquid crystal display panel of a transflective type, said panel including:

a counter substrate;

an active matrix substrate, in which (i) a reflective electrode and (ii) an adjacent transparent electrode adjacent to said reflective electrode without being electrically connected are positioned in such a manner that (A) a border of a reflection region to which said reflective electrode applies a voltage and (B) a border of a transmission region to which said adjacent transparent electrode applies a voltage at least partly overlap or are closely located with each other, when viewed in a normal direction of a display surface of said active matrix

substrate; and

a liquid crystal layer, sandwiched between said counter substrate and said active matrix substrate.